	Application No.	Applicant(s)
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Notice of Allowability	09/724,269	KASIF ET AL.
	Examiner	Art Unit
	Mary K. Zeman	1631
The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.		
1. This communication is responsive to the communication of 12/28/05.		
2. The allowed claim(s) is/are 2,3,7-9,11,16,22-25,27-30,34 and 37.		
3. ☐ Acknowledgment is made of a claim for foreign priority ur a) ☐ All b) ☐ Some* c) ☐ None of the:		
Certified copies of the priority documents have been received.		
2. Certified copies of the priority documents have been received in Application No		
3. Copies of the certified copies of the priority documents have been received in this national stage application from the		
International Bureau (PCT Rule 17.2(a)).		
* Certified copies not received:		
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		
4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.		
5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.		
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached		
1) hereto or 2) to Paper No./Mail Date		
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date		
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).		
6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.		
Attachment(s) 1. ☑ Notice of References Cited (PTO-892)	5. ☐ Notice of Informal P	ratent Application (PTO-152)
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6. Interview Summary	(PTO-413),
3. Information Disclosure Statements (PTO-1449 or PTO/SB/0	Paper No./Mail Dat 08), 7. ⊠ Examiner's Amendr	nent/Comment
Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. Examiner's Statement	ent of Reasons for Allowance
o. Diological Material	9.	

Application/Control Number: 09/724,269

Art Unit: 1631

The declaration filed on 12/28/2005 under 37 CFR 1.131 is sufficient to overcome the Lobinov et al (US 6,834,239) reference.

Claims 2, 3, 7-9, 11, 16, 22-25, 27-30, 34 and 37 are allowed.

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Barnhill et al. (US 6,882,990) discloses support vector machines for classification of biological data. Barnhill et al. do not use methods wherein the probability of each and every subsequence or data item is computed, but instead looks to reduce the complexity of the classified data. Barnhill et al are largely concerned with the classification of gene expression data, and not gene sequence or genome sequence data.

Rothberg et al. (US 6,453,245) discloses methods of classifying sequences without sequencing. Rothberg et al disclose methods of mathematically determining the sequences of DNA or protein samples without performing sequencing procedures. Rothberg et al do not use a feature vector or training vector based classification.

Nicolaou et al. (US 6,904,23) disclose a tree based classification of biological molecule information.

Boissy (US2002/0177138) filed after the instant filing date discloses string searching and classification methods for biopolymer information.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mary K Zeman whose telephone number is (571) 272 0723

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ardin Marschel, PhD can be reached on (571) 272 0718. The fax phone number for the organization where this application or proceeding is assigned is 571 273 8300.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to (571) 272-0547.

Application/Control Number: 09/724,269

Art Unit: 1631

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MARY K. ZEMAN PRIMARY EXAMINER

Page 3